

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 January 2004 (08.01.2004)

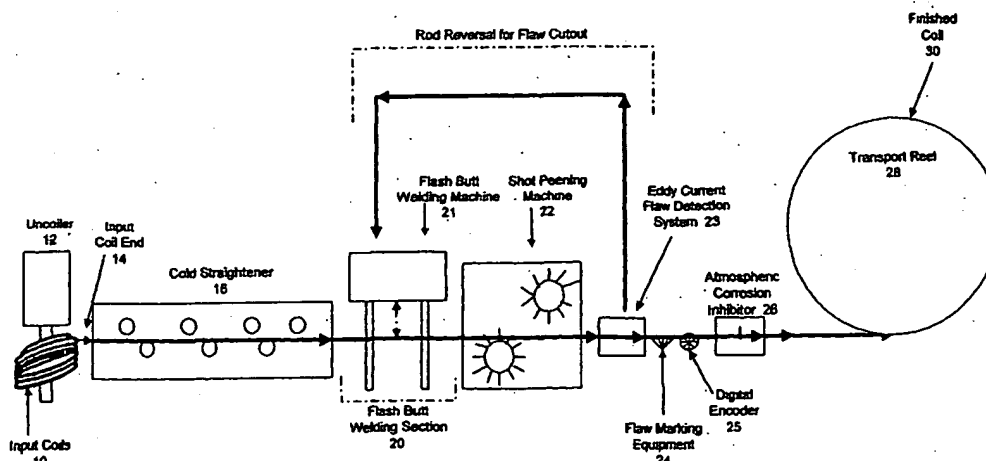
PCT

(10) International Publication Number
WO 2004/002644 A1

- (51) International Patent Classification⁷: B21C 51/00, E21B 17/00, B21C 37/04
- (21) International Application Number: PCT/CA2003/000981
- (22) International Filing Date: 27 June 2003 (27.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 2,390,054 28 June 2002 (28.06.2002) CA
- (71) Applicant (for all designated States except US): WEATHERFORD CANADA PARTNERSHIP [CA/CA]; 2801-84th Avenue, Edmonton, Alberta T6P 1K1 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LABONTÉ, David [CA/CA]; 116 Carlson Close, Edmonton, Alberta T6R 2J8 (CA). GERELUK, Ricky [CA/CA]; 639 Butchart Wynd, Edmonton, Alberta T6R 1K1 (CA).
- (74) Agent: TOWNLEY-SMITH, Kimberly, L.; Barrister & Solicitor, 1 Young Street, suite 1801, Toronto, Ontario M5E 1W7 (CA).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF MANUFACTURING CONTINUOUS SUCKER ROD

Heat Treated Coil Manufacturing Layout



(57) Abstract: An improved process for making continuous sucker rod specifies uniform hardness along and among the input coils which reduces the number of steps required to manufacture the rod, thereby advantageously reducing capital and production costs.

WO 2004/002644 A1